

ADHESIVE FOR OPTICAL CONNECTOR, AND FERRULE AND OPTICAL CONNECTOR USING THAT**Publication number:** JP10048466**Publication date:** 1998-02-20**Inventor:** SUZUKI NOBUO; TAIRA JUNJI; MINAMI KOJI**Applicant:** SEIKO INSTR INC**Classification:****- International:** G02B6/36; C09J5/00; C09J11/04; C09J163/00; C09J201/00; G02B6/36; C09J5/00; C09J11/02; C09J163/00; C09J201/00; (IPC1-7): G02B6/36; C09J5/00; C09J11/04; C09J163/00**- European:****Application number:** JP19960202314 19960731**Priority number(s):** JP19960202314 19960731**Report a data error here****Abstract of JP10048466**

PROBLEM TO BE SOLVED: To firmly adhere and fix an optical fiber to a ferrule with enough reliability even when the optical fiber insertion hole of the ferrule is short, by incorporating a specified proportion of filler in an adhesive used to adhere and fix an optical fiber to a ferrule. **SOLUTION:** The adhesive which hardly deteriorates its fixing strength even when environment such as temp. and humidity changes can be obtd. by adding 1 to 10wt.% filler to an adhesive conventionally used for optical connectors, especially to an epoxy adhesive. When the amt. of the filler is less than the range above described, the effect is not significantly obtd. If the amt. is larger than that, viscosity of the adhesive increases and this is not preferable because to fill the optical fiber insertion hole with the adhesive becomes difficult. Any filler such as silica and zirconia can be used as far as it can be mixed and stickable with an adhesive and causes no problems. Especially, silica is preferable because it can be easily and smoothly mixed and fit to an epoxy adhesive and has a small coeff. of thermal expansion.

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